State of Montana 401(a) Plan

Investment Performance Evaluation Report

As of March 31, 2017

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Introduction

This report reviews the investment performance of the State of Montana's 401(a) Plan for the quarter ending March 31, 2017, as well as other periods ending on that date. While the most recent quarter is the focus point of this report, we recommend concentration on longer time periods for the consideration of any changes to the investment policy or manager structure.

Performance measurement in this report is designed to:

- Provide an understanding of the environment in which the funds were managed;
- Verify that the assets were managed in compliance with guidelines;
- Assess the managers' strengths, continuity of style, and the means of achieving the performance; and
- Serve as a communications tool for internal focus, as well as to fulfill fiduciary obligations.

This report is based upon data provided by the State of Montana, Morningstar, Empower, and fund management firms.

Plan Overview

Net Assets

- Plan assets totaled $181.9 million, as of March 31, 2017. This is up from $170.2 million, as of December 31, 2016.

Asset Allocation

- Plan assets were allocated 8% to the Stable Value fund, 2% to Bond funds, 54% to Target Date/Balanced funds, 29% to U.S. Equity funds, and 7% to International Equity funds.

Fund Recommendations

- The Stable Value fund in the investment performance report is benchmarked to the Barclay's Intermediate Government/Credit Index plus 0.35%. PIMCO benchmarks this fund against the Barclay's Intermediate Government/Credit Index, but does not add the 0.35%; nor does the Investment Policy Statement reference the additional 0.35%. It is our recommendation to remove the 0.35% addition to the Barclay's Intermediate Government/Credit Index.

Fund Overview

As of March 31, 2017

Asset Class	Fund	Ticker	Recommendation	Date of Status Change	Inception Date
Stable Value	State of Montana Stable Value	-	Retain		Sep-13
Fixed Income	Prudential Total Return Bond Q	PTRQX	Retain		Jul-14
Fixed Income	Neuberger Berman High Income Bond Instl	PTRQX	Retain		Oct-15
Balanced	Vanguard Balanced Index Instl	VBAIX	Retain		May-05
Target Date	T. Rowe Price Retirement Balanced	TRRIX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2005	TRRFX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2010	TRRAX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2015	TRRGX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2020	TRRBX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2025	TRRHX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2030	TRRCX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2035	TRRJX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2040	TRRDX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2045	TRRKX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2050	TRRMX	Retain		Oct-11
Target Date	T. Rowe Price Retirement 2055	TRRNX	Retain		Oct-11
Large Value	Vanguard Equity-Income Adm	VEIRX	Retain		Jul-02
Large Blend	BlackRock Equity Idx - Collective F	-	Retain		Apr-05
Large Blend	JPMorgan US Equity R5	JUSRX	Retain		May-11
Large Growth	Alger Capital Appreciation Z	ACAZX	Retain		Apr-12
Mid Value	MFS Mid Cap Value R6	MVCKX	Retain		Jun-13
Mid Growth	Janus Enterprise N	JDMNX	Retain		Oct-16
Small Value	Prudential QMA Small Cap Value Z	TASVX	Retain		Oct-08
Small Blend	Vanguard Small Cap Index Instl	VSCIX	Retain		Jul-02
Small Growth	Vanguard Small Cap Growth Index Instl	VSGIX	Retain		Sep-10
International	American Funds New Perspective R6	RNPGX	Retain		Jun-02
International	Oakmark International I	OAKIX	Retain		Sep-03
International	Vanguard Total Intl Stock Index Adm	VTIAX	Retain		Sep-10
International	Oppenheimer Developing Markets Y	ODVYX	Retain		Nov-12

Asset Allocation

As of March 31, 2017

# of Options	Options	Plan Assets	% of Plan	# of Participants
1	**State of Montana Stable Value**	**$13,923,256**	**7.7%**	401
	Total Stable Value Fund	**$13,923,256**	**8%**	
2	Prudential Total Return Bond Q	$2,849,524	1.6%	372
	Neuberger Berman High Income Bond Instl	$380,849	<1%	52
	Total Bond Funds	**$3,230,373**	**2%**	
13	**Vanguard Balanced Index Instl**	**$71,534,868**	**39.3%**	1,611
	T. Rowe Price Retirement Balanced	$79,691	<1%	22
	T. Rowe Price Retirement 2005	$974,971	<1%	97
	T. Rowe Price Retirement 2010	$213,339	<1%	18
	T. Rowe Price Retirement 2015	$572,828	<1%	48
	T. Rowe Price Retirement 2020	$1,407,068	<1%	94
	T. Rowe Price Retirement 2025	$3,054,470	1.7%	145
	T. Rowe Price Retirement 2030	$2,774,359	1.5%	140
	T. Rowe Price Retirement 2035	$4,390,931	2.4%	196
	T. Rowe Price Retirement 2040	$3,485,318	1.9%	194
	T. Rowe Price Retirement 2045	$4,526,001	2.5%	254
	T. Rowe Price Retirement 2050	$3,976,718	2.2%	253
	T. Rowe Price Retirement 2055	$2,060,101	1.1%	193
	Total Target Date/Balanced Funds	**$99,050,662**	**54%**	
9	**Vanguard Equity-Income Adm**	**$8,721,925**	**4.8%**	501
	BlackRock Equity Idx - Collective F	$3,375,017	1.9%	250
	JPMorgan US Equity R5	$3,770,976	2.1%	285
	Alger Capital Appreciation Z	**$10,576,446**	**5.8%**	513
	MFS Mid Cap Value R6	$6,717,762	3.7%	477
	Janus Enterprise N	$4,387,419	2.4%	368
	Prudential QMA Small Cap Value Z	$4,368,539	2.4%	340
	Vanguard Small Cap Index Instl	$4,784,727	2.6%	391
	Vanguard Small Cap Growth Index Instl	$5,371,638	3.0%	447
	Total U.S. Equity Funds	**$52,074,449**	**29%**	
4	**American Funds New Perspective R6**	**$6,888,387**	**3.8%**	471
	Oakmark International I	$4,441,353	2.4%	373
	Vanguard Total Intl Stock Index Adm	$1,431,569	<1%	212
	Oppenheimer Developing Markets Y	$861,505	<1%	99
	Total International Equity Funds	**$13,622,814**	**7%**	
	TOTAL	**$181,901,554**		

Range of Investment Options

Lower Expected Risk/
Lower Expected Return

Higher Expected Risk/
Higher Expected Return

Stable Value	Fixed Income/ Bond	Target Date/ Balanced	Global/ Int'l Equity	Other
1. State of Montana Stable Value	1. Prudential Total Return Bond Q 2. Neuberger Berman High Income Bond Instl	1. Vanguard Balanced Idx Instl 2. T. Rowe Price Retirement Series (12)	1. American Funds New Perspective R6 2. Oakmark Intl I 3. Vanguard Total Intl Stock Idx Adm 4. Oppenheimer Developing Mkts Y	

Domestic Equity

Large Value	Large Blend	Large Growth
1. Vanguard Equity Income Adm	1. JPMorgan US Equity R5 2. BlackRock Equity Idx - Collective F	1. Alger Capital Appreciation Z

Mid Value	Mid Blend	Mid Growth
1. MFS Mid Cap Value R6		1. Janus Enterprise N

Small Value	Small Blend	Small Growth
1. Prudential QMA Small Cap Value Z	1. Vanguard Small Cap Idx Instl	1. Vanguard Small Cap Growth Idx Instl

Net-of-Fee Total Returns and Standard Deviations

As of March 31, 2017

Fund/Benchmark	YTD 4/17/17	(periods longer than 1 year are annualized) 3 Months	YTD	1 Year	3 Years	5 Years	10 Years	Standard Deviation 3 Years	5 Years	Expense Ratio
State of Montana Stable Value (net)	**-**	**0.72**	**0.72**	**0.51**	**1.74**	**1.52**	**3.66**	**-**	**-**	**0.40**
Barclays US Govt/Credit Interm +0.35%	-	0.87	0.87	0.77	2.36	2.23	4.11	-	-	-
Prudential Total Return Bond Q	**2.75**	**1.84**	**1.84**	**3.43**	**3.83**	**4.06**	**5.89**	**3.58**	**3.69**	**0.44**
Barclays US Agg Bond	1.67	0.82	0.82	0.44	2.68	2.34	4.27	2.94	2.88	-
Avg Intermediate-Term Bond	1.82	1.07	1.07	1.74	2.41	2.52	4.06	2.84	2.92	0.78
Neuberger Berman High Income Bond Instl	**2.59**	**2.32**	**2.32**	**13.50**	**3.22**	**5.86**	**7.20**	**5.65**	**5.35**	**0.69**
BofAML US HY Master II Constnd	3.00	2.71	2.71	16.87	4.64	6.85	7.43	6.10	5.38	-
Avg High Yield Bond	2.55	2.31	2.31	13.52	3.15	5.56	5.86	5.46	5.10	1.07

Green indicates fund outperformed both benchmarks / Blue indicates fund performed between benchmarks / Red indicates fund underperformed both benchmarks

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Net-of-Fee Total Returns and Standard Deviations

As of March 31, 2017

Fund/Benchmark	YTD 4/17/17	(periods longer than 1 year are annualized) 3 Months	YTD	1 Yr	3 Yr	5 Yr	10 Yr	Standard Deviation 3 Yr	5 Yr	Expense Ratio
T. Rowe Price Retirement Balanced	**3.51**	**3.39**	**3.39**	**7.68**	**3.83**	**5.14**	**4.72**	**4.83**	**4.90**	**0.57**
DJ Target Today	2.04	1.61	1.61	2.08	1.94	2.52	4.05	2.87	2.94	-
Avg Allocation - 30% to 50% Equity	3.24	2.99	2.99	8.03	3.25	5.13	4.25	5.26	5.26	1.21
T. Rowe Price Retirement 2005	**3.65**	**3.42**	**3.42**	**7.77**	**4.10**	**5.59**	**4.89**	**5.03**	**5.22**	**0.60**
DJ Target 2005	2.05	1.62	1.62	2.08	1.95	2.57	3.98	2.89	2.97	-
Avg Target Date 2000-2010	3.34	3.08	3.08	7.24	3.60	5.20	3.87	4.94	5.05	0.76
T. Rowe Price Retirement 2010	**3.92**	**3.75**	**3.75**	**8.55**	**4.42**	**6.19**	**4.97**	**5.50**	**5.78**	**0.59**
DJ Target 2010	2.19	1.74	1.74	2.28	2.13	3.01	3.95	3.18	3.25	-
Avg Target Date 2000-2010	3.34	3.08	3.08	7.24	3.60	5.20	3.87	4.94	5.05	0.76
T. Rowe Price Retirement 2015	**4.37**	**4.23**	**4.23**	**9.68**	**4.87**	**7.05**	**5.31**	**6.32**	**6.66**	**0.62**
DJ Target 2015	2.77	2.22	2.22	3.18	2.69	3.85	4.06	3.90	3.93	-
Avg Target Date 2015	3.58	3.38	3.38	8.01	3.74	5.80	4.30	5.53	5.76	0.79
T. Rowe Price Retirement 2020	**5.05**	**5.00**	**5.00**	**11.14**	**5.33**	**7.87**	**5.53**	**7.19**	**7.47**	**0.66**
DJ Target 2020	3.50	2.84	2.84	4.81	3.25	4.87	4.30	4.57	4.76	-
Avg Target Date 2020	3.77	3.57	3.57	8.54	3.82	5.72	3.90	5.81	5.96	0.86
T. Rowe Price Retirement 2025	**5.61**	**5.61**	**5.61**	**12.31**	**5.72**	**8.58**	**5.72**	**7.96**	**8.25**	**0.69**
DJ Target 2025	4.00	3.50	3.50	6.96	3.94	6.00	4.66	5.58	5.85	-
Avg Target Date 2025	4.37	4.27	4.27	10.10	4.31	6.77	4.36	6.86	7.07	0.84
T. Rowe Price Retirement 2030	**6.08**	**6.08**	**6.08**	**13.35**	**6.07**	**9.18**	**5.90**	**8.61**	**8.85**	**0.72**
DJ Target 2030	4.60	4.34	4.34	9.53	4.69	7.14	5.01	6.86	7.10	-
Avg Target Date 2030	4.78	4.76	4.76	11.49	4.65	7.12	4.21	7.74	7.83	0.89

Net-of-Fee Total Returns and Standard Deviations

As of March 31, 2017

Fund/Benchmark	YTD 4/17/17	3 Months	YTD	1 Yr	3 Yr	5 Yr	10 Yr	Standard Deviation 3 Yr	Standard Deviation 5 Yr	Expense Ratio
		(periods longer than 1 year are annualized)								
T. Rowe Price Retirement 2035	**6.51**	**6.57**	**6.57**	**14.21**	**6.31**	**9.60**	**6.02**	**9.19**	**9.41**	**0.74**
DJ Target 2035	5.12	5.07	5.07	11.84	5.24	8.06	5.29	8.11	8.28	-
Avg Target Date 2035	5.26	5.35	5.35	12.76	5.00	7.91	4.71	8.63	8.72	0.86
T. Rowe Price Retirement 2040	**6.81**	**6.89**	**6.89**	**14.90**	**6.46**	**9.88**	**6.17**	**9.67**	**9.79**	**0.76**
DJ Target 2040	5.55	5.66	5.66	13.74	5.68	8.76	5.56	9.13	9.20	-
Avg Target Date 2040	5.43	5.57	5.57	13.47	5.14	7.96	4.43	9.06	9.11	0.91
T. Rowe Price Retirement 2045	**6.91**	**7.04**	**7.04**	**15.12**	**6.54**	**9.92**	**6.20**	**9.68**	**9.81**	**0.76**
DJ Target 2045	5.84	6.07	6.07	15.03	5.97	9.17	5.78	9.79	9.75	-
Avg Target Date 2045	5.66	5.87	5.87	13.97	5.31	8.44	4.81	9.45	9.50	0.87
T. Rowe Price Retirement 2050	**6.85**	**6.93**	**6.93**	**15.08**	**6.52**	**9.91**	**6.18**	**9.68**	**9.79**	**0.76**
DJ Target 2050	5.96	6.25	6.25	15.58	6.09	9.28	5.83	10.01	9.90	-
Avg Target Date 2050	5.66	5.84	5.84	14.15	5.37	8.32	4.53	9.48	9.56	0.91
T. Rowe Price Retirement 2055	**6.83**	**6.99**	**6.99**	**15.16**	**6.53**	**9.91**	**6.18**	**9.70**	**9.81**	**0.76**
DJ Target 2055	5.97	6.26	6.26	15.60	6.10	9.28	5.83	10.02	9.90	-
Avg Target Date 2055	5.76	6.01	6.01	14.22	5.50	8.76	6.18	9.58	9.68	0.87
Vanguard Balanced Index Instl	**3.78**	**3.78**	**3.78**	**10.74**	**6.98**	**8.83**	**6.67**	**6.41**	**6.22**	**0.07**
Custom Vanguard Bal Index (1)	3.80	3.81	3.81	10.89	7.11	8.97	6.98	6.41	6.22	-
Avg Allocation - 50% to 70% Equity	3.79	3.84	3.84	10.53	4.43	7.04	5.06	7.13	7.10	1.19
Barclays US Agg Bond	1.67	0.82	0.82	0.44	2.68	2.34	4.27	2.94	2.88	-
S&P 500	5.54	6.07	6.07	17.17	10.37	13.30	7.51	10.41	10.20	-

(1) Reflect's fund's index changes over time. 60% DJ US Total Market Index/40% Barclays US Agg Float Adj Index since 1/14/13.

Net-of-Fee Total Returns and Standard Deviations

As of March 31, 2017

Fund/Benchmark	YTD 4/17/17	3 Months	YTD	1 Year	3 Years	5 Years	10 Years	Standard Deviation 3 Years	Standard Deviation 5 Years	Expense Ratio
		(periods longer than 1 year are annualized)								
Vanguard Equity-Income Adm	**3.99**	**4.56**	**4.56**	**15.94**	**9.63**	**12.97**	**7.85**	**9.68**	**9.64**	**0.17**
Russell 1000 Value	2.55	3.27	3.27	19.22	8.67	13.13	5.93	10.56	10.54	-
Avg Large Value	2.90	3.70	3.70	17.44	7.32	11.47	5.59	10.99	10.85	1.08
BlackRock Equity Idx - Collective F	**-**	**6.07**	**6.07**	**17.19**	**10.42**	**13.35**	**7.63**	**-**	**-**	**0.04**
JPMorgan US Equity R5	**6.03**	**6.72**	**6.72**	**19.35**	**10.14**	**13.65**	**8.80**	**11.22**	**11.11**	**0.56**
S&P 500	5.54	6.07	6.07	17.17	10.37	13.30	7.51	10.41	10.20	-
Avg Large Blend	4.89	5.57	5.57	15.97	8.14	11.74	6.52	10.77	10.67	1.01
Alger Capital Appreciation Z	**10.70**	**11.19**	**11.19**	**15.54**	**10.31**	**13.16**	**9.30**	**12.08**	**11.59**	**0.89**
Russell 1000 Growth	8.58	8.91	8.91	15.76	11.27	13.32	9.13	11.03	10.63	-
Avg Large Growth	8.13	8.63	8.63	14.85	8.53	11.55	7.71	11.74	11.60	1.15
MFS Mid Cap Value R6	**3.04**	**3.60**	**3.60**	**15.59**	**7.75**	**13.45**	**7.42**	**11.40**	**10.89**	**0.74**
Russell Mid Cap Value	3.39	3.76	3.76	19.82	8.94	14.07	7.47	11.15	10.88	-
Avg Mid Value	2.60	3.50	3.50	18.86	7.04	12.02	6.68	12.17	11.76	1.16
Janus Enterprise N	**6.14**	**7.18**	**7.18**	**16.95**	**10.99**	**13.52**	**9.68**	**10.84**	**10.23**	**0.68**
Russell Mid Cap Growth	5.79	6.89	6.89	14.07	7.88	11.95	8.13	11.87	11.56	-
Avg Mid Growth	6.18	7.30	7.30	15.58	6.06	10.30	7.12	12.84	12.34	1.25

Net-of-Fee Total Returns and Standard Deviations

As of March 31, 2017

Fund/Benchmark	YTD 4/17/17	(periods longer than 1 year are annualized) 3 Months	YTD	1 Year	3 Years	5 Years	10 Years	Standard Deviation 3 Years	5 Years	Expense Ratio
Prudential QMA Small Cap Value Z	-2.78	-0.83	-0.83	29.89	8.87	12.94	8.46	**16.15**	**14.31**	**0.73**
Russell 2000 Value	-2.01	-0.13	-0.13	29.37	7.62	12.54	6.09	15.37	14.04	-
Avg Small Value	-1.59	0.29	0.29	23.43	6.11	11.38	6.43	14.86	13.89	1.31
Vanguard Small Cap Index Instl	2.52	3.74	3.74	21.52	7.42	12.91	8.23	**13.56**	**12.78**	**0.05**
Custom Vanguard SC Index [(1)]	2.52	3.74	3.74	21.47	7.39	12.87	8.13	13.56	12.77	-
Avg Small Blend	0.03	1.77	1.77	22.08	5.98	11.30	6.60	14.65	13.74	1.22
Vanguard Small Cap Growth Index Instl	5.09	6.03	6.03	19.71	5.44	11.23	8.36	**13.96**	**13.21**	**0.06**
Custom Vanguard SC Growth Index [(2)]	5.09	6.02	6.02	19.61	5.35	11.05	8.12	13.95	13.19	-
Avg Small Growth	3.94	5.56	5.56	22.41	5.34	10.73	7.31	15.66	14.49	1.31
American Funds New Perspective R6	9.62	9.60	9.60	14.74	6.89	10.66	6.82	**10.61**	**10.90**	**0.45**
MSCI ACWI	6.65	6.91	6.91	15.04	5.08	8.37	4.00	10.79	11.06	-
Avg World Stock	7.12	7.34	7.34	13.68	4.12	8.27	4.11	11.13	11.57	1.27
Oakmark International I	8.15	9.43	9.43	21.68	2.15	8.98	4.59	**15.28**	**15.55**	**1.00**
MSCI World Ex USA	6.74	6.81	6.81	11.93	0.35	5.38	1.13	12.10	12.96	-
Vanguard Total Intl Stock Index Adm	8.51	8.47	8.47	13.74	1.10	4.83	1.36	**11.72**	**12.62**	**0.11**
Custom Vanguard Intl Index [(3)]	8.06	7.90	7.90	13.32	1.16	4.87	1.38	12.23	12.81	-
Avg Foreign Large Blend	7.70	7.74	7.74	10.88	0.40	5.02	0.96	11.63	12.58	1.10
Oppenheimer Developing Markets Y	11.35	11.04	11.04	15.46	-0.14	2.34	5.39	**14.87**	**14.66**	**1.07**
MSCI EM	12.03	11.45	11.45	17.22	1.18	0.81	2.72	16.11	15.33	-
Avg Diversified Emerging Mkts	12.27	11.59	11.59	16.40	0.71	1.20	2.22	14.88	14.65	1.48

[(1)] Reflects changes to fund's index over time. Russell 2000 Index through 5/16/03; MSCI US Small Cap 1750 Index through 1/30/13; and the CRSP US Small Cap Index thereafter.

[(2)] Reflects changes to fund's index over time. S&P SmallCap 600 Growth Index through 5/16/03; MSCI US Small Cap Growth Index through 4/16/13; and the CRSP US Small Cap Growth Index thereafter.

[(3)] Reflects changes to fund's index over time. MSCI EAFE & EM Index through 12/15/10; MSCI ACWI ex US Index through 6/02/13; and the FTSE Global All Cap ex US Index thereafter.

Modern Portfolio Theory (MPT) Analytics

As of March 31, 2017

Fund/Benchmark	5 - Year Alpha	Beta	Tracking Error	Information Ratio	Upside Capture	Downside Capture	10 Year Batting Average
Vanguard Equity-Income Adm	**0.74**	**0.92**	**2.53**	**-0.13**	**95**	**91**	**43**
Avg Large Value	-1.55	1.00	3.73	-0.53	95	106	43
JPMorgan US Equity R5	**-0.46**	**1.07**	**2.29**	**0.15**	**104**	**107**	**61**
Avg Large Blend	-1.49	1.01	2.51	-1.46	96	107	42
Alger Capital Appreciation Z	**-0.50**	**1.04**	**4.66**	**-0.03**	**101**	**104**	**52**
Avg Large Growth	-1.81	1.03	4.78	-0.39	96	108	51
MFS Mid Cap Value R6	**0.35**	**0.99**	**4.09**	**0.04**	**100**	**99**	**54**
Avg Mid Value	-1.40	1.03	5.22	-0.24	99	111	49
Janus Enterprise N	**1.64**	**0.89**	**4.87**	**0.05**	**93**	**82**	**54**
Avg Mid Growth	-3.04	1.04	6.19	-0.48	93	115	51
Prudential QMA Small Cap Value Z	**-1.77**	**1.15**	**8.33**	**-0.04**	**108**	**122**	**53**
Avg Small Value	-2.33	1.08	8.49	-0.22	102	123	50
Vanguard Small Cap Index Instl	**-1.42**	**1.11**	**6.10**	**-0.07**	**107**	**121**	**55**
Avg Small Blend	-2.71	1.10	7.94	-0.25	102	126	51
Vanguard Small Cap Growth Index Instl	**-2.82**	**1.10**	**7.01**	**-0.30**	**103**	**127**	**56**
Avg Small Growth	-3.28	1.12	9.02	-0.28	101	130	53
American Funds New Perspective R6	**6.74**	**0.78**	**5.00**	**1.26**	**96**	**57**	**56**
Avg World Stock	4.59	0.79	6.15	0.65	91	65	54
Oakmark International I	**4.22**	**1.10**	**6.38**	**0.72**	**123**	**100**	**56**
Vanguard Total Intl Stock Index Adm	**0.57**	**0.97**	**1.71**	**0.28**	**99**	**96**	**48**
Avg Foreign Large Blend	0.94	0.93	3.89	0.17	96	91	48
Oppenheimer Developing Markets Y	**-1.85**	**1.03**	**6.24**	**-0.32**	**96**	**108**	**61**
Avg Diversified Emerging Mkts	-2.73	0.98	7.52	-0.42	90	107	52

Reported modern portfolio theory (MPT) statistics are calculated with respect to the S&P 500 Index for domestic equity funds and the MSCI EAFE Index for international equity funds.

Stable Value and Bond Funds

Annual Net-of-Fee Total Returns

Fund/Benchmark	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
State of Montana Stable Value	**2.13**	**0.84**	**2.15**	**-1.95**	**4.82**	**5.04**	**6.47**	**13.71**	**-3.45**	**9.35**
Barclays US Govt/Credit Interm +0.35%	2.43	1.42	3.48	-0.51	4.24	6.15	6.24	5.59	5.43	7.74
Prudential Total Return Bond Q	**4.83**	**0.09**	**7.25**	**-0.91**	**9.96**	**7.93**	**9.73**	**19.68**	**-3.55**	**5.42**
Barclays US Agg Bond	2.65	0.55	5.97	-2.02	4.21	7.84	6.54	5.93	5.24	6.97
Avg Intermediate-Term Bond	3.22	-0.26	5.18	-1.42	7.01	5.86	7.72	13.97	-4.70	4.70
Neuberger Berman High Income Bond Instl	**14.17**	**-4.77**	**1.51**	**7.57**	**14.64**	**3.12**	**14.71**	**52.16**	**-19.09**	**1.61**
BofAML US HY Master II Constnd	17.49	-4.61	2.51	7.41	15.55	4.37	15.07	58.10	-26.11	2.53
Avg High Yield Bond	13.23	-4.01	1.11	6.90	14.67	2.83	14.24	46.70	-26.41	1.47

Green indicates fund outperformed both benchmarks / Blue indicates fund performed between benchmarks / Red indicates fund underperformed both benchmarks

Target Date Funds

Annual Net-of-Fee Total Returns

Fund/Benchmark	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
T. Rowe Price Retirement Balanced	**6.48**	**-0.74**	**3.91**	**9.15**	**10.05**	**1.43**	**10.10**	**22.07**	**-18.39**	**6.09**
DJ Target Today	3.01	-0.63	3.86	1.41	5.44	5.26	8.53	10.83	-3.06	6.48
Avg Allocation - 30% to 50% Equity	6.63	-2.32	4.02	7.23	9.40	1.70	10.03	20.77	-18.61	4.53
T. Rowe Price Retirement 2005	**6.72**	**-0.75**	**4.72**	**9.74**	**11.35**	**1.43**	**11.51**	**24.55**	**-22.24**	**6.67**
DJ Target 2005	3.00	-0.63	3.92	1.54	5.66	5.15	8.90	11.89	-5.47	6.84
Avg Target Date 2000-2010	5.90	-1.18	4.10	8.30	9.61	0.91	10.68	22.42	-22.46	5.22
T. Rowe Price Retirement 2010	**7.11**	**-0.76**	**4.99**	**11.93**	**12.44**	**0.54**	**12.70**	**27.95**	**-26.71**	**6.65**
DJ Target 2010	3.33	-0.72	4.20	3.00	6.40	4.49	9.71	14.11	-10.81	7.73
Avg Target Date 2000-2010	5.90	-1.18	4.10	8.30	9.61	0.91	10.68	22.42	-22.46	5.22
T. Rowe Price Retirement 2015	**7.31**	**-0.58**	**5.37**	**15.18**	**13.81**	**-0.32**	**13.79**	**31.35**	**-30.22**	**6.75**
DJ Target 2015	4.51	-0.97	4.48	5.49	7.65	3.42	10.94	17.32	-16.65	7.78
Avg Target Date 2015	6.02	-1.34	4.48	9.65	10.65	-0.27	11.50	23.55	-27.76	5.84
T. Rowe Price Retirement 2020	**7.41**	**-0.31**	**5.63**	**18.05**	**15.01**	**-1.20**	**14.74**	**34.19**	**-33.48**	**6.73**
DJ Target 2020	5.27	-1.04	4.81	9.05	9.23	2.01	12.42	20.95	-22.31	8.11
Avg Target Date 2020	6.12	-1.57	4.72	11.57	11.68	-0.22	12.27	24.25	-29.46	6.02
T. Rowe Price Retirement 2025	**7.55**	**-0.17**	**5.84**	**20.78**	**16.00**	**-2.06**	**15.37**	**36.29**	**-35.90**	**6.81**
DJ Target 2025	6.39	-1.11	5.14	12.84	10.94	0.49	14.12	25.36	-27.61	8.31
Avg Target Date 2025	6.61	-1.59	5.07	15.30	13.03	-2.06	13.29	28.32	-34.15	6.52
T. Rowe Price Retirement 2030	**7.69**	**-0.02**	**6.05**	**23.09**	**16.82**	**-2.70**	**16.01**	**37.99**	**-37.79**	**6.83**
DJ Target 2030	7.50	-1.21	5.50	16.59	12.56	-1.20	15.67	29.50	-32.02	8.43
Avg Target Date 2030	7.21	-1.79	5.04	16.65	13.59	-2.26	13.47	28.87	-36.04	6.50

Target Date Funds

Annual Net-of-Fee Total Returns

Fund/Benchmark	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
T. Rowe Price Retirement 2035	**7.64**	**0.13**	**6.07**	**24.86**	**17.35**	**-3.26**	**16.34**	**39.04**	**-38.88**	**6.81**
DJ Target 2035	8.49	-1.61	5.80	19.90	13.92	-2.62	16.89	32.71	-35.15	8.48
Avg Target Date 2035	7.45	-1.76	5.24	20.00	14.64	-3.51	14.28	30.06	-37.04	7.02
T. Rowe Price Retirement 2040	**7.63**	**0.17**	**6.18**	**25.93**	**17.55**	**-3.49**	**16.51**	**39.07**	**-38.85**	**6.77**
DJ Target 2040	9.30	-1.94	6.03	22.38	14.88	-3.59	17.67	34.64	-36.80	8.48
Avg Target Date 2040	7.84	-1.99	5.25	19.97	14.64	-3.49	14.37	30.90	-37.94	6.21
T. Rowe Price Retirement 2045	**7.69**	**0.17**	**6.14**	**25.93**	**17.62**	**-3.47**	**16.44**	**39.10**	**-38.83**	**6.84**
DJ Target 2045	9.85	-2.15	6.16	23.71	15.32	-3.99	17.95	35.09	-37.03	8.46
Avg Target Date 2045	7.78	-1.87	5.35	22.00	15.31	-4.10	14.60	30.88	-38.11	6.89
T. Rowe Price Retirement 2050	**7.71**	**0.19**	**6.19**	**25.90**	**17.55**	**-3.36**	**16.41**	**38.92**	**-38.80**	**6.82**
DJ Target 2050	10.10	-2.23	6.19	23.89	15.35	-4.00	17.95	35.09	-37.03	8.46
Avg Target Date 2050	8.15	-2.01	5.42	21.02	15.07	-3.82	14.53	32.02	-38.67	5.91
T. Rowe Price Retirement 2055	**7.73**	**0.18**	**6.18**	**25.86**	**17.60**	**-3.35**	**16.41**	**38.97**	**-38.89**	**6.82**
DJ Target 2055	10.11	-2.23	6.19	23.89	15.35	-4.00	17.95	35.09	-37.03	8.47
Avg Target Date 2055	7.83	-1.71	5.49	23.14	15.52	-4.13	14.45	32.20	-38.86	5.94
Vanguard Balanced Index Instl	**8.81**	**0.52**	**10.00**	**18.11**	**11.51**	**4.31**	**13.34**	**20.18**	**-22.10**	**6.34**
Custom Vanguard Bal Index	8.89	0.76	10.06	18.25	11.71	4.66	13.45	20.34	-20.94	6.53
Avg Allocation - 50% to 70% Equity	7.32	-1.93	6.21	16.48	11.72	-0.11	11.83	24.13	-28.00	5.99
Barclays US Agg Bond	2.65	0.55	5.97	-2.02	4.21	7.84	6.54	5.93	5.24	6.97
S&P 500	11.96	1.38	13.69	32.39	16.00	2.11	15.06	26.46	-37.00	5.49

Large and Mid-Cap Stock Funds

Annual Net-of-Fee Total Returns

Fund/Benchmark	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Vanguard Equity-Income Adm	**14.82**	**0.86**	**11.38**	**30.19**	**13.58**	**10.69**	**14.99**	**17.26**	**-30.86**	**4.99**
Russell 1000 Value	17.34	-3.83	13.45	32.53	17.51	0.39	15.51	19.69	-36.85	-0.17
Avg Large Value	14.73	-4.05	10.21	31.21	14.57	-0.75	13.66	24.13	-37.09	1.42
BlackRock Equity Idx - Collective F	**11.99**	**1.45**	**13.70**	**32.41**	**16.00**	**2.20**	-	-	-	-
JPMorgan US Equity R5	**10.86**	**0.84**	**13.95**	**36.07**	**17.40**	**-1.48**	**14.42**	**33.29**	**-34.51**	**10.49**
S&P 500	11.96	1.38	13.69	32.39	16.00	2.11	15.06	26.46	-37.00	5.49
Avg Large Blend	10.36	-1.07	10.96	31.50	14.96	-1.27	14.01	28.17	-37.79	6.16
Alger Capital Appreciation Z	**0.66**	**6.56**	**13.50**	**35.31**	**18.27**	**-0.69**	**12.15**	**48.45**	**-44.85**	**31.01**
Russell 1000 Growth	7.08	5.67	13.05	33.48	15.26	2.64	16.71	37.21	-38.44	11.81
Avg Large Growth	3.19	3.60	10.00	33.92	15.34	-2.46	15.53	35.68	-40.67	13.35
MFS Mid Cap Value R6	**15.86**	**-2.14**	**10.29**	**36.63**	**18.52**	**-2.04**	**27.08**	**39.75**	**-41.90**	**1.67**
Russell Mid Cap Value	20.00	-4.78	14.75	33.46	18.51	-1.38	24.75	34.21	-38.44	-1.42
Avg Mid Value	18.08	-5.41	9.31	35.14	16.60	-3.96	21.92	35.41	-36.77	0.83
Janus Enterprise N	**12.18**	**3.57**	**12.19**	**30.94**	**17.79**	**-1.78**	**25.93**	**42.90**	**-43.13**	**21.81**
Russell Mid Cap Growth	7.33	-0.20	11.90	35.74	15.81	-1.65	26.38	46.29	-44.32	11.43
Avg Mid Growth	6.03	-0.95	7.00	34.93	14.07	-3.96	24.61	39.11	-43.77	15.09

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Small Cap and International Stock Funds

Annual Net-of-Fee Total Returns

Fund/Benchmark	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007
Prudential QMA Small Cap Value Z	**33.94**	**-7.04**	**5.89**	**35.87**	**14.14**	**-0.48**	**23.63**	**26.69**	**-27.45**	**0.52**
Russell 2000 Value	31.74	-7.47	4.22	34.52	18.05	-5.50	24.50	20.58	-28.92	-9.78
Avg Small Value	25.90	-6.71	3.34	36.22	16.00	-4.45	26.17	31.32	-32.24	-6.08
Vanguard Small Cap Index Instl	**18.32**	**-3.63**	**7.53**	**37.80**	**18.26**	**-2.65**	**27.95**	**36.40**	**-35.98**	**1.29**
Custom Vanguard SC Index	18.26	-3.68	7.54	37.77	18.20	-2.75	27.82	36.15	-36.20	1.20
Avg Small Blend	20.71	-5.38	3.79	37.39	15.46	-4.07	25.61	31.80	-36.56	-1.10
Vanguard Small Cap Growth Index Instl	**10.74**	**-2.52**	**4.04**	**38.20**	**17.68**	**-1.40**	**30.96**	**42.13**	**-39.91**	**9.78**
Custom Vanguard SC Growth Index	10.62	-2.60	3.98	37.87	17.24	-1.64	30.58	41.79	-40.17	9.62
Avg Small Growth	11.12	-2.41	2.44	40.91	13.15	-3.55	26.98	35.46	-41.55	7.59
American Funds New Perspective R6	**2.19**	**5.63**	**3.56**	**27.23**	**21.19**	**-7.33**	**13.11**	**37.73**	**-37.83**	**16.04**
MSCI ACWI	7.86	-2.36	4.16	22.80	16.13	-7.35	12.67	34.63	-42.19	11.66
Avg World Stock	5.50	-1.69	2.79	25.19	15.84	-7.93	13.74	35.27	-41.91	11.28
Oakmark International I	**7.91**	**-3.83**	**-5.41**	**29.34**	**29.22**	**-14.07**	**16.22**	**56.30**	**-41.06**	**-0.51**
MSCI World Ex USA	2.75	-3.04	-4.32	21.02	16.41	-12.21	8.95	33.67	-43.56	12.44
Vanguard Total Intl Stock Index Adm	**4.67**	**-4.26**	**-4.17**	**15.14**	**18.21**	**-14.52**	**11.04**	**36.73**	**-44.10**	**15.52**
Custom Vanguard Intl Index	4.72	-4.29	-3.39	15.76	17.04	-14.31	10.70	40.44	-45.52	15.85
Avg Foreign Large Blend	0.79	-1.59	-4.98	19.44	18.29	-13.97	10.24	31.24	-43.99	12.71
Oppenheimer Developing Markets Y	**7.17**	**-13.84**	**-4.55**	**8.68**	**21.29**	**-17.85**	**27.39**	**82.10**	**-47.84**	**34.30**
MSCI EM	11.19	-14.92	-2.19	-2.60	18.22	-18.42	18.88	78.51	-53.33	39.42
Avg Diversified Emerging Mkts	8.45	-13.79	-3.01	-0.14	18.15	-19.86	19.26	73.81	-54.44	36.68

Peer Group Rankings

As of March 31, 2017

Yellow shading indicates above median performance in Morningstar peer group (1 = Best Ranking / 100 = Worst Ranking)

Fund	Morningstar Category	3 Mo	YTD	1 Yr	3 Yr	5 Yr	10 Yr
Prudential Total Return Bond Q	Intermediate-Term Bond	5	5	14	3	3	2
Neuberger Berman High Income Bond Instl	High Yield Bond	51	51	50	51	41	8
T. Rowe Price Retirement Balanced	Allocation - 30% to 50% Equity	27	27	53	33	49	33
T. Rowe Price Retirement 2005	Target Date 2000-2010	17	17	32	25	37	5
T. Rowe Price Retirement 2010	Target Date 2000-2010	7	7	19	12	8	1
T. Rowe Price Retirement 2015	Target Date 2015	7	7	14	6	3	1
T. Rowe Price Retirement 2020	Target Date 2020	2	2	7	2	2	1
T. Rowe Price Retirement 2025	Target Date 2025	2	2	8	1	5	3
T. Rowe Price Retirement 2030	Target Date 2030	2	2	10	4	4	4
T. Rowe Price Retirement 2035	Target Date 2035	2	2	13	6	5	8
T. Rowe Price Retirement 2040	Target Date 2040	2	2	14	5	3	4
T. Rowe Price Retirement 2045	Target Date 2045	2	2	17	6	5	8
T. Rowe Price Retirement 2050	Target Date 2050	3	3	24	7	6	10
T. Rowe Price Retirement 2055	Target Date 2055	3	3	21	9	9	1
Vanguard Balanced Index Instl	Allocation - 50% to 70% Equity	54	54	37	6	14	11

Peer Group Rankings

As of March 31, 2017

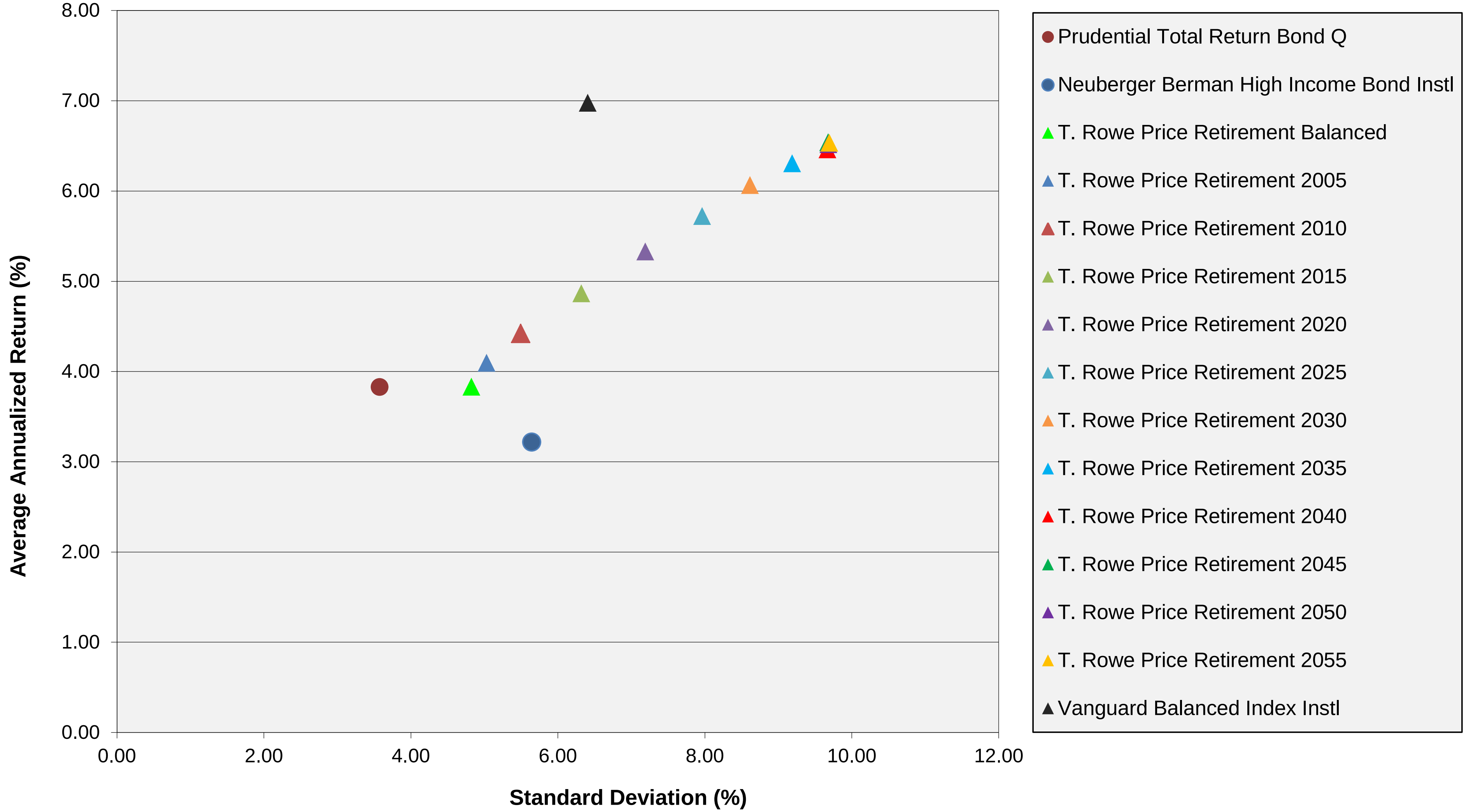
Yellow shading indicates above median performance in Morningstar peer group (1 = Best Ranking / 100 = Worst Ranking)

Fund	Morningstar Category	3 Mo	YTD	1 Yr	3 Yr	5 Yr	10 Yr
Vanguard Equity-Income Adm	Large Value	21	21	67	7	14	4
JPMorgan US Equity R5	Large Blend	15	15	12	11	5	4
Alger Capital Appreciation Z	Large Growth	10	10	40	21	18	12
MFS Mid Cap Value R6	Mid-Cap Value	44	44	83	38	19	26
Janus Enterprise N	Mid-Cap Growth	48	48	34	2	8	9
Prudential QMA Small Cap Value Z	Small Value	77	77	9	14	24	7
Vanguard Small Cap Index Instl	Small Blend	15	15	56	33	25	15
Vanguard Small Cap Growth Index Instl	Small Growth	45	45	75	51	41	22
American Funds New Perspective R6	World Stock	12	12	33	10	9	5
Oakmark International I	Foreign Large Blend	8	8	2	15	4	4
Vanguard Total Intl Stock Index Adm	Foreign Large Blend	19	19	16	31	59	31
Oppenheimer Developing Markets Y	Diversified Emerging Mkts	65	65	60	69	25	2

Three Year Risk/Return Profile

Bond and Target Date/Balanced Funds

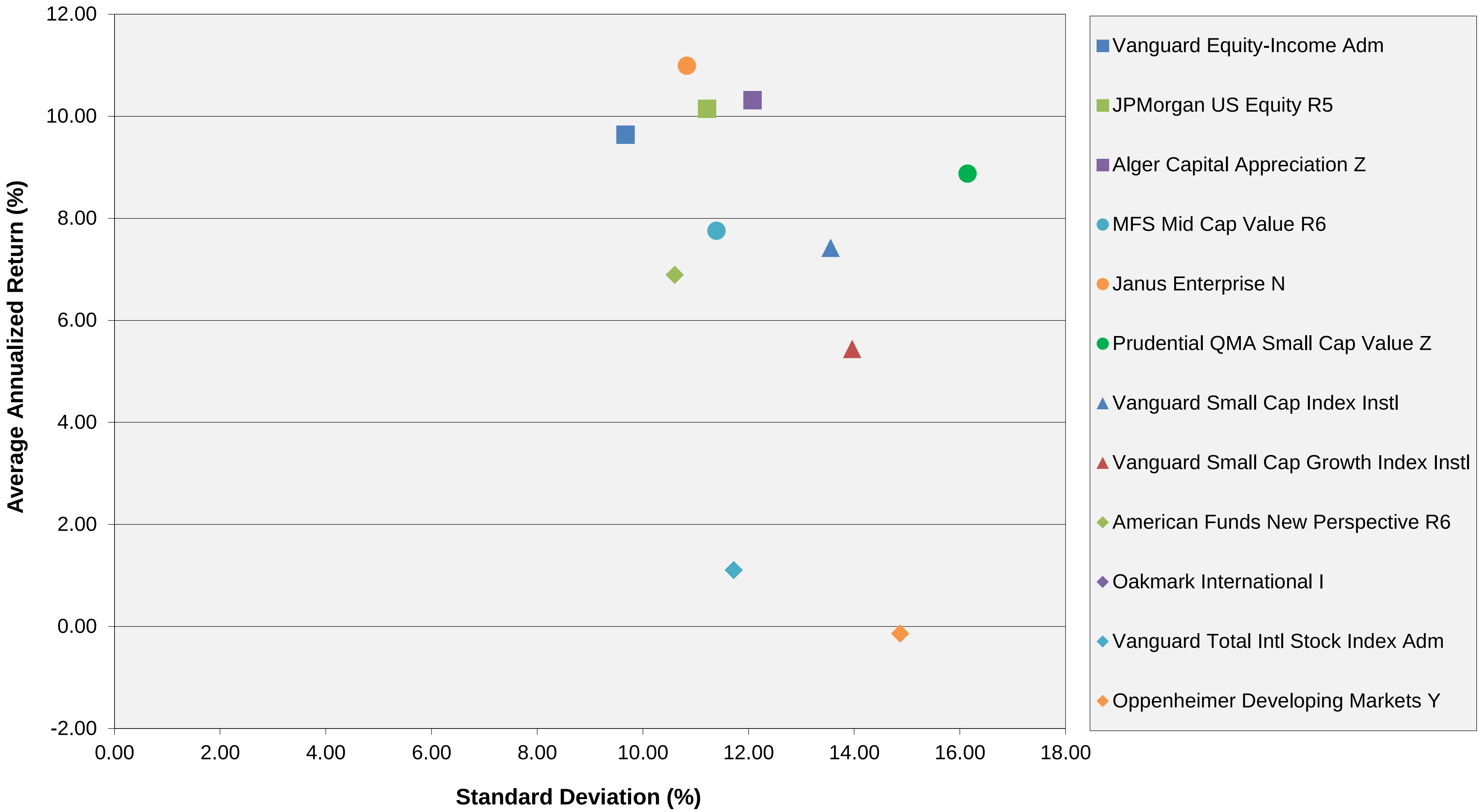
As of March 31, 2017



Three Year Risk/Return Profile

Equity Funds

As of March 31, 2017



Stable Value Performance as of March 31, 2017

	Quarter	YTD	1 Year	Annualized 3 Years	Annualized 5 years	Annualized 10 years	Management Fees	Wrap Fees
Montana Stable Value (market, gross)	**0.76**	**0.76**	**0.71**	**1.97**	**1.77**	**3.93**	**0.20**	**0.20**
Barclays US Govt/Credit Interm +0.35%	0.87	0.87	0.77	2.36	2.23	4.11	-	-

Stable Value Portfolio Characteristics as of March 31, 2017

	Yield-to Maturity (%)	Effective Duration (years)	Effective Maturity (years)	Average Credit Quality	Credit Quality Distribution (%) Investment Grade AAA	AA	A	BBB	High Yield Below BBB
Montana Stable Value	**2.56**	**3.93**	**4.33**	**AA**	**53**	**1**	**29**	**17**	**0**
Barclays US Govt/Credit Interm	2.10	4.06	4.41	AA	64	6	13	17	-

Market to Book Value Ratio

End of Month	Mar-14	Jun-14	Sep-14	Dec-14	Mar-15	Jun-15	Sep-15	Dec-15	Mar-16	Jun-16	Sep-16	Dec-16	Mar-17
Market-to-Book Value Ratio (%)	**103.3**	**104.1**	**103.0**	**103.2**	**104.2**	**102.9**	**103.0**	**101.7**	**103.4**	**104.3**	**104.1**	**101.3**	**101.4**

Fixed Income Portfolio Characteristics

As of March 31, 2017

Fund/Benchmark	Average Maturity (years)	Average Duration (years)	Average Credit Quality	Total Number of Holdings
Prudential Total Return Bond Q	**7.6**	**6.2**	**BBB**	**2,161**
BarCap Aggregate	8.2	6.0	AA	10,170
Avg Intermediate Term Bond	7.4	5.3	BBB	735
Neuberger Berman High Income Bond Instl	**5.0**	**3.5**	**B**	**405**
Avg High Yield Bond	5.4	3.5	B	580

	Investment Grade				High Yield Bonds			Other
Fund/Benchmark	AAA	AA	A	BBB	BB	B	Below B	NR/NA
Prudential Total Return Bond Q	**32**	**9**	**19**	**20**	**10**	**5**	**0**	**5**
BarCap Aggregate	72	5	10	14	0	0	0	0
Avg Intermediate Term Bond	48	8	17	20	4	1	1	1
Neuberger Berman High Income Bond Instl	**3**	**0**	**0**	**9**	**51**	**30**	**8**	**0**
Avg High Yield Bond	3	0	1	6	35	39	14	3

Equity Portfolio Style Characteristics

As of March 31, 2017

Vanguard Equity-Income Adm

45	33	10
7	2	0
3	1	0

JPMorgan US Equity R5

20	26	43
4	3	4
0	0	0

Alger Capital Appreciation Z

6	24	59
1	2	7
0	0	1

MFS Mid Cap Value R6

9	6	7
26	28	9
6	6	2

Janus Enterprise N

2	4	18
4	21	43
2	2	4

Prudential QMA Small Cap Value Z

0	0	0
4	2	0
63	28	2

Vanguard Small Cap Index Instl

0	0	0
11	13	20
19	19	19

Vanguard Small Cap Growth Index Instl

0	0	0
4	10	32
6	13	35

American Funds New Perspective R6

13	19	56
1	4	6
0	0	0

Oakmark International I

35	28	29
3	2	2
0	0	0

Vanguard Total Intl Stock Index Adm

29	27	24
6	5	5
2	1	1

Oppenheimer Developing Markets Y

11	31	54
1	1	2
0	0	0

Style Legend

Large Value	Large Core	Large Growth	> 50%	54
Mid Value	Mid Core	Mid Growth	> 25%	27
Small Value	Small Core	Small Growth	> 10%	19

Equity Portfolio Characteristics

As of March 31, 2017

Fund/Benchmark	Geo Avg Market Cap $MM	P/E Ratio	P/B Ratio	Total Number of Holdings	% Assets in Top 10 Holdings	Turnover Ratio	% Non-US Equity	% Emerging Mkts Equity
Vanguard Equity-Income Adm	**$80,413**	**19.4**	**2.5**	**217**	**29**	**26**	**9**	**0**
Russell 1000 Value	$58,783	19.0	2.0	692	24			
Avg Large Value	$91,252	19.8	2.2	-	32	59	5	0
JPMorgan US Equity R5	**$83,606**	**21.5**	**2.9**	**179**	**25**	**83**	**4**	**2**
S&P 500	$85,703	21.3	3.0	505	19			
Avg Large Blend	$112,812	22.3	3.0	-	31	59	3	0
Alger Capital Appreciation Z	**$94,565**	**25.0**	**4.1**	**106**	**43**	**104**	**4**	**4**
Russell 1000 Growth	$74,736	23.6	5.6	609	27			
Avg Large Growth	$101,392	26.2	4.9	-	45	61	5	2
MFS Mid Cap Value R6	**$9,974**	**20.2**	**2.2**	**153**	**12**	**27**	**3**	**0**
Russell Mid Cap Value	$11,395	19.8	1.9	565	8			
Avg Mid Value	$10,046	18.6	1.9	-	17	64	5	1
Janus Enterprise N	**$9,044**	**26.6**	**4.2**	**85**	**21**	**8**	**11**	**2**
Russell Mid Cap Growth	$11,818	26.1	5.0	470	10			
Avg Mid Growth	$10,002	27.4	4.0	-	24	66	3	1

Equity Portfolio Characteristics

As of March 31, 2017

Fund/Benchmark	Geo Avg Market Cap $MM	P/E Ratio	P/B Ratio	Total Number of Holdings	% Assets in Top 10 Holdings	Turnover Ratio	% Non-US Equity	% Emerging Mkts Equity
Prudential QMA Small Cap Value Z	**$1,653**	**14.1**	**1.4**	**351**	**11**	**72**	**1**	**0**
Russell 2000 Value	$1,628	19.4	1.6	1,352	5			
Avg Small Value	$2,866	19.2	1.7	-	22	77	2	0
Vanguard Small Cap Index Instl	**$3,472**	**22.3**	**2.3**	**1,439**	**3**	**14**	**1**	**0**
CRSP US Small Cap	$3,436	21.9	2.3	1,413	3			
Avg Small Blend	$3,042	22.3	2.4	-	23	64	2	0
Vanguard Small Cap Growth Index Instl	**$3,578**	**28.2**	**3.2**	**683**	**6**	**27**	**0**	**0**
CRSP US Small Cap Growth	$3,604	27.1	3.3	660	6			
Avg Small Growth	$3,242	29.9	3.8	-	25	72	3	0
American Funds New Perspective R6	**$55,365**	**24.4**	**3.2**	**322**	**19**	**22**	**44**	**7**
MSCI ACWI	$50,081	19.2	2.2	2,480	9			
Avg World Stock	$51,399	20.5	2.3	-	22	57	40	5
Oakmark International I	**$28,351**	**9.9**	**1.5**	**70**	**33**	**44**	**94**	**8**
MSCI World Ex USA	$32,379	18.4	1.7	1,023	10			
Vanguard Total Intl Stock Index Adm	**$19,861**	**16.8**	**1.6**	**6,047**	**7**	**4**	**96**	**16**
FTSE Global All Cap ex US	$20,215	16.9	1.6	5,832	8			
Avg Foreign Large Blend	$38,636	18.3	1.8	-	13	61	91	6
Oppenheimer Developing Markets Y	**$26,431**	**20.5**	**2.9**	**95**	**36**	**18**	**92**	**74**
MSCI EM	$25,139	14.5	1.6	830	22			
Avg Diversified Emerging Mkts	$22,549	15.4	2.0	-	20	68	93	71

Equity Portfolio Sector Allocation

As of March 31, 2017

(yellow shading indicates largest sector allocation)

Fund/Benchmark	Energy	Materials	Industrials	Consumer Discretionary	Consumer Staples	Healthcare	Financials	Real Estate	Information Technology	Telecom Services	Utilities
Vanguard Equity-Income Adm	**11.5**	**2.8**	**11.9**	**4.7**	**12.0**	**12.2**	**18.6**	**0.0**	**14.4**	**4.3**	**7.5**
Russell 1000 Value	12.2	2.9	10.1	4.5	8.5	10.8	26.5	4.6	10.0	3.6	6.2
Avg Large Value	11.0	3.4	10.6	8.8	8.8	12.3	23.0	2.2	12.1	3.2	4.6
JPMorgan US Equity R5	**7.1**	**2.6**	**11.5**	**14.6**	**6.3**	**14.3**	**16.6**	**0.7**	**22.7**	**1.2**	**2.4**
S&P 500	6.6	2.8	10.1	12.3	9.3	13.9	14.4	2.9	22.1	2.4	3.2
Avg Large Blend	6.9	3.4	11.0	12.6	9.2	14.6	15.0	2.4	20.4	1.9	2.6
Alger Capital Appreciation Z	**2.3**	**2.0**	**8.0**	**19.3**	**4.6**	**14.6**	**4.9**	**1.1**	**42.1**	**1.1**	**0.0**
Russell 1000 Growth	0.5	3.5	10.7	20.9	9.1	15.9	2.8	2.7	32.7	1.0	0.0
Avg Large Growth	2.9	2.3	9.9	19.4	6.8	16.1	5.6	1.8	34.6	0.3	0.4
MFS Mid Cap Value R6	**7.9**	**5.4**	**14.5**	**10.9**	**6.0**	**8.5**	**23.8**	**5.9**	**9.5**	**0.0**	**7.8**
Russell Mid Cap Value	9.6	6.1	12.9	8.6	3.3	4.1	19.6	13.9	9.5	1.2	11.2
Avg Mid Value	9.3	5.2	14.5	14.0	4.2	6.9	20.8	6.4	12.2	0.5	6.0
Janus Enterprise N	**0.9**	**2.3**	**18.8**	**11.4**	**0.0**	**19.3**	**7.9**	**5.1**	**34.3**	**0.0**	**0.0**
Russell Mid Cap Growth	1.3	5.1	14.8	23.0	7.1	15.6	5.3	5.2	22.3	0.2	0.0
Avg Mid Growth	3.1	3.8	14.7	18.2	3.1	14.5	12.5	3.9	25.0	0.4	0.8

Equity Portfolio Sector Allocation

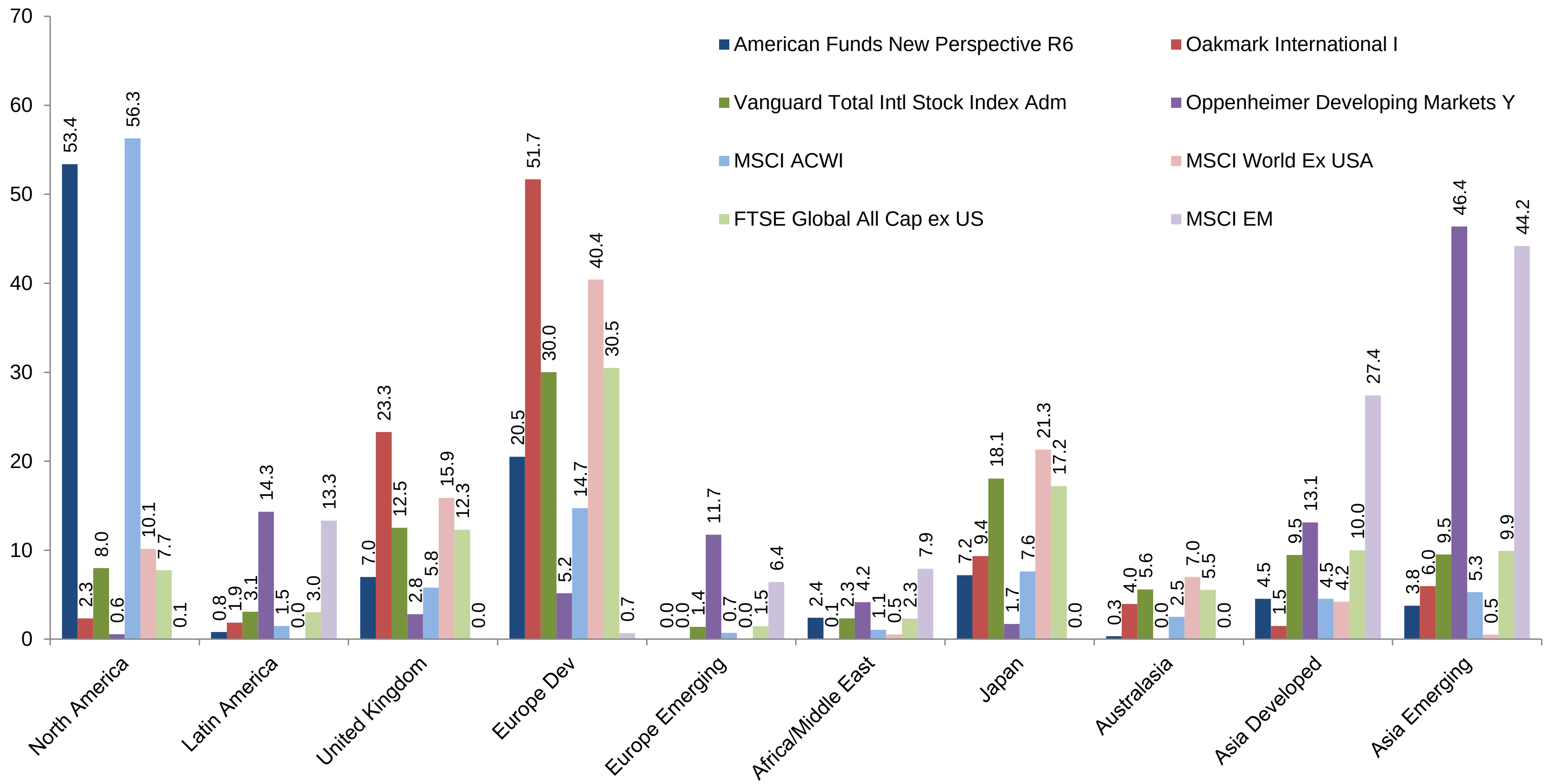
As of March 31, 2017

(yellow shading indicates largest sector allocation)

Fund/Benchmark	Energy	Materials	Industrials	Consumer Discretionary	Consumer Staples	Healthcare	Financials	Real Estate	Information Technology	Telecom Services	Utilities
Prudential QMA Small Cap Value Z	**4.0**	**5.0**	**14.1**	**15.6**	**5.0**	**2.5**	**39.1**	**7.7**	**5.1**	**0.6**	**1.3**
Russell 2000 Value	5.4	4.8	12.8	9.8	2.8	4.7	32.3	10.0	10.3	0.6	6.3
Avg Small Value	5.6	6.2	18.4	10.9	3.2	4.9	26.4	7.1	13.5	0.4	3.5
Vanguard Small Cap Index Instl	**5.0**	**6.0**	**15.6**	**11.8**	**3.2**	**10.7**	**15.4**	**11.4**	**16.6**	**0.4**	**3.8**
CRSP US Small Cap	5.0	6.1	15.5	12.4	3.4	10.9	14.8	11.0	16.6	0.4	4.0
Avg Small Blend	4.5	6.1	17.9	12.1	2.8	9.2	20.2	7.0	16.6	0.6	3.0
Vanguard Small Cap Growth Index Instl	**4.6**	**3.4**	**13.2**	**14.5**	**2.8**	**15.8**	**7.0**	**14.7**	**23.2**	**0.4**	**0.5**
CRSP US Small Cap Growth	4.8	3.4	13.4	14.6	2.9	16.4	6.9	13.3	23.2	0.4	0.5
Avg Small Growth	3.1	4.3	15.3	15.0	2.4	15.6	12.5	3.5	27.0	0.5	0.9
American Funds New Perspective R6	**6.1**	**4.4**	**10.2**	**18.7**	**12.3**	**11.3**	**10.8**	**0.3**	**23.5**	**1.5**	**0.9**
MSCI ACWI	6.6	5.3	10.7	12.1	9.5	11.1	18.4	3.1	16.4	3.4	3.2
Avg World Stock	4.8	4.2	11.4	14.1	10.5	12.2	16.4	1.9	19.6	2.8	2.1
Oakmark International I	**0.0**	**9.2**	**19.1**	**27.4**	**6.2**	**0.6**	**32.2**	**0.0**	**5.3**	**0.0**	**0.0**
MSCI World Ex USA	6.6	8.2	13.7	11.6	10.8	9.8	23.1	3.4	5.4	4.2	3.3
Vanguard Total Intl Stock Index Adm	**6.7**	**8.9**	**13.3**	**11.8**	**9.6**	**8.3**	**21.8**	**3.8**	**8.7**	**4.0**	**3.2**
FTSE Global All Cap ex US	6.6	8.7	13.2	11.8	9.6	8.0	22.2	3.8	8.9	4.0	3.2
Avg Foreign Large Blend	5.8	8.3	13.4	12.0	11.3	10.3	20.6	2.8	8.5	4.5	2.5
Oppenheimer Developing Markets Y	**3.5**	**3.6**	**6.2**	**19.0**	**11.3**	**5.3**	**22.2**	**2.7**	**26.2**	**0.0**	**0.0**
MSCI EM	7.2	7.5	5.9	10.4	6.9	2.4	24.1	2.5	24.5	5.7	2.8
Avg Diversified Emerging Mkts	6.3	6.3	4.9	11.5	10.6	3.4	23.8	2.7	23.4	4.9	2.3

International Fund Regional Allocations

As of March 31, 2017



International Fund Country Allocations

As of March 31, 2017

	Argentina	Australia	Austria	Belgium	Brazil	Canada	Chile	China	Czech Republic	Denmark	Finland	France	Germany	Greece	Hong Kong	Hungary	India	Indonesia	Ireland	Israel	Italy	Japan	Malaysia	Mexico	Netherlands
American Funds New Perspective R6		**0.3**		**0.1**	**0.3**	**2.1**		**2.0**		**2.8**	**1.0**	**4.6**	**1.5**		**1.7**		**1.5**		**0.8**			**7.2**		**0.5**	**4.0**
MSCI ACWI		2.4		0.4	0.9	3.2	0.1	3.4		0.5	0.3	3.1	3.1		1.0		1.0	0.3		0.2	0.6	7.6	0.3	0.4	1.2
Oakmark International I		**4.0**						**3.6**				**15.1**	**10.1**				**0.6**	**1.8**			**5.1**	**9.4**		**1.9**	**4.5**
MSCI World Ex USA		6.8	0.2	1.1		8.9		0.5		1.5	0.9	8.8	8.6		2.8				0.2	0.5	1.7	21.3			3.2

	New Zealand	Norway	Pakistan	Philippines	Poland	Portugal	Russia	Singapore	Slovakia	South Africa	South Korea	Spain	Sweden	Switzerland	Taiwan	Thailand	Turkey	United Kingdom	United States	Non-US	Venezuela	Vietnam	Lithuania	Latvia	Estonia
American Funds New Perspective R6		**0.2**						**0.1**		**2.3**	**0.6**	**0.6**	**0.8**	**4.1**	**2.2**			**7.0**	**51.3**	**48.7**					
MSCI ACWI		0.2		0.1	0.1		0.4	0.5		0.7	1.6	1.1	1.0	3.0	1.3	0.2	0.1	5.8	53.1	46.9					
Oakmark International I											**1.2**		**4.4**	**12.3**	**0.3**			**23.3**	**2.3**	**97.7**					
MSCI World Ex USA	0.2	0.6				0.1		1.3				3.0	2.6	7.9				15.9	1.2	98.8					

International Fund Country Allocations

As of March 31, 2017

	Argentina	Australia	Austria	Belgium	Brazil	Canada	Chile	China	Czech Republic	Denmark	Finland	France	Germany	Greece	Hong Kong	Hungary	India	Indonesia	Ireland	Israel	Italy	Japan	Malaysia	Mexico	Netherlands
Vanguard Total Intl Stock Index Adm		5.4	0.2	0.9	1.9	7.1	0.3	4.7		1.2	0.8	5.9	6.2		1.5		2.5	0.5	0.2	0.4	1.4	18.1	0.7	0.8	2.2
FTSE Global All Cap ex US		5.3	0.2	0.9	1.8	6.8	0.3	5.0		1.1	0.8	6.1	6.4		2.0		2.5	0.6	0.2	0.4	1.5	17.2	0.7	0.8	2.2
Oppenheimer Developing Markets Y					7.9			22.4				3.6			3.5		15.5	2.3			1.6	1.7	2.0	4.5	
MSCI EM					7.6		1.3	26.9	0.2					0.3		0.3	8.9	2.5					2.4	3.7	0.3

	New Zealand	Norway	Pakistan	Philippines	Poland	Portugal	Russia	Singapore	Slovakia	South Africa	South Korea	Spain	Sweden	Switzerland	Taiwan	Thailand	Turkey	United Kingdom	United States	Non-US	Venezuela	Vietnam	Lithuania	Latvia	Estonia
Vanguard Total Intl Stock Index Adm	0.2	0.5		0.3	0.3	0.1	0.8	1.1		1.6	3.5	2.1	2.2	5.9	3.3	0.8	0.2	12.5	0.9	99.1					
FTSE Global All Cap ex US	0.2	0.5		0.3	0.3	0.1	0.8	1.1		1.5	3.6	2.2	2.2	5.8	3.2	0.8	0.2	12.3	0.9	99.1					
Oppenheimer Developing Markets Y				3.7	1.5		9.2	1.7		0.9	2.6				5.3	0.5	1.0	2.8	0.6	99.4					
MSCI EM				1.2	1.2		3.7			6.2	15.1				12.3	2.3	1.0			99.9					

General Fund Information

As of March 31, 2017

Fund	Manager	Average Tenure (years)	Longest Tenure (years)	Total Assets ($MM)	Morningstar Rating Overall	Morningstar Analyst Rating	Prospectus Net Expense Ratio
Prudential Total Return Bond Q	Robert Tipp (4)*	7	15	$29,039	★★★★★	Bronze	0.43
Neuberger Berman High Income Bond Instl	Thomas P. O'Reilly (4)*	6	12	$4,052	★★★	Silver	0.71
T. Rowe Price Retirement Balanced	Jerome A. Clark (2)*	8	15	$2,765	★★★★	Silver	0.57
T. Rowe Price Retirement 2005	Jerome A. Clark (2)*	7	13	$1,764	★★★★	Silver	0.60
T. Rowe Price Retirement 2010	Jerome A. Clark (2)*	8	15	$5,516	★★★★	Silver	0.59
T. Rowe Price Retirement 2015	Jerome A. Clark (2)*	7	13	$9,322	★★★★★	Silver	0.62
T. Rowe Price Retirement 2020	Jerome A. Clark (2)*	8	15	$25,137	★★★★★	Silver	0.66
T. Rowe Price Retirement 2025	Jerome A. Clark (2)*	7	13	$20,104	★★★★★	Silver	0.69
T. Rowe Price Retirement 2030	Jerome A. Clark (2)*	8	15	$25,640	★★★★★	Silver	0.72
T. Rowe Price Retirement 2035	Jerome A. Clark (2)*	7	13	$15,103	★★★★★	Silver	0.74
T. Rowe Price Retirement 2040	Jerome A. Clark (2)*	8	15	$17,784	★★★★★	Silver	0.76
T. Rowe Price Retirement 2045	Jerome A. Clark (2)*	7	12	$9,176	★★★★★	Silver	0.76
T. Rowe Price Retirement 2050	Jerome A. Clark (2)*	6	10	$7,189	★★★★★	Silver	0.76
T. Rowe Price Retirement 2055	Jerome A. Clark (2)*	6	10	$2,946	★★★★★	Silver	0.76
Vanguard Balanced Index Instl	Joshua C. Barrickman (4)*	2	4	$32,693	★★★★★	Gold	0.07

* Longest tenured manager listed with total number of fund managers listed in parentheses

General Fund Information

As of March 31, 2017

Fund	Manager	Average Tenure (years)	Longest Tenure (years)	Total Assets ($MM)	Morningstar Rating Overall	Morningstar Analyst Rating	Prospectus Net Expense Ratio
Vanguard Equity-Income Adm	James P. Stetler (4)*	7	13	$25,423	★★★★★	Silver	0.17
JPMorgan US Equity R5	Susan Bao (4)*	8	16	$13,589	★★★★★	Silver	0.56
Alger Capital Appreciation Z	Patrick Kelly (2)*	7	13	$2,490	★★★★	Bronze	0.89
MFS Mid Cap Value R6	Brooks A. Taylor (2)*	8	8	$6,265	★★★		0.75
Janus Enterprise N	Brian Demain (2)*	5	9	$11,085	★★★★★	Bronze	0.68
Prudential QMA Small Cap Value Z	Mitchell B. Stern (3)*	2	2	$1,662	★★★★★		0.73
Vanguard Small Cap Index Instl	Gerard C. O'Reilly (2)*	1	1	$75,777	★★★★	Gold	0.07
Vanguard Small Cap Growth Index Instl	Gerard C. O'Reilly (2)*	7	12	$18,504	★★★	Silver	0.07
American Funds New Perspective R6	Robert W. Lovelace (7)*	11	16	$57,445	★★★★★	Gold	0.45
Oakmark International I	David G. Herro (2)*	13	25	$25,311	★★★★★	Gold	1.00
Vanguard Total Intl Stock Index Adm	Michael Perre (2)*	5	9	$255,160	★★★	Gold	0.11
Oppenheimer Developing Markets Y	Justin M. Leverenz	10	10	$30,285	★★★★	Silver	1.07

* Longest tenured manager listed with total number of fund managers listed in parentheses

Fee and Revenue Sharing

Fund	Prospectus Net Expense Ratio	Revenue Sharing	Expense Ratio Net of Revenue Sharing	Morningstar Category Avg Expense Ratio
Prudential Total Return Bond Q	0.43	0.00	0.43	0.79
Neuberger Berman High Income Bond Instl	0.71	0.10	0.61	1.08
T. Rowe Price Retirement Balanced	0.57	0.15	0.42	1.21
T. Rowe Price Retirement 2005	0.60	0.15	0.45	0.76
T. Rowe Price Retirement 2010	0.59	0.15	0.44	0.76
T. Rowe Price Retirement 2015	0.62	0.15	0.47	0.79
T. Rowe Price Retirement 2020	0.66	0.15	0.51	0.86
T. Rowe Price Retirement 2025	0.69	0.15	0.54	0.84
T. Rowe Price Retirement 2030	0.72	0.15	0.57	0.89
T. Rowe Price Retirement 2035	0.74	0.15	0.59	0.86
T. Rowe Price Retirement 2040	0.76	0.15	0.61	0.91
T. Rowe Price Retirement 2045	0.76	0.15	0.61	0.87
T. Rowe Price Retirement 2050	0.76	0.15	0.61	0.91
T. Rowe Price Retirement 2055	0.76	0.15	0.61	0.87
Vanguard Balanced Index Instl	0.07	0.00	0.07	1.19
Vanguard Equity-Income Adm	0.17	0.00	0.17	1.07
JPMorgan US Equity R5	0.56	0.10	0.46	1.01
Alger Capital Appreciation Z	0.89	0.00	0.89	1.15
MFS Mid Cap Value R6	0.75	0.00	0.75	1.18
Janus Enterprise N	0.68	0.50	0.18	1.24
Prudential QMA Small Cap Value Z	0.73	0.05	0.68	1.33
Vanguard Small Cap Index Instl	0.07	0.00	0.07	1.21
Vanguard Small Cap Growth Index Instl	0.07	0.00	0.07	1.31
American Funds New Perspective R6	0.45	0.00	0.45	1.30
Oakmark International I	1.00	0.25	0.75	1.12
Vanguard Total Intl Stock Index Adm	0.11	0.00	0.11	1.12
Oppenheimer Developing Markets Y	1.07	0.25	0.82	1.48

Glossary of Investment Terms

Alpha is a measure of the difference between a portfolio's actual returns and its expected performance, given its level of risk as measured by beta. A positive Alpha figure indicates the portfolio has performed better than its beta would predict. In contrast, a negative Alpha indicates the portfolio has underperformed, given the expectations established by beta.

Average Credit Quality gives a snapshot of the portfolio's overall credit quality. It is an average of each bond's credit rating, adjusted for its relative weighting in the portfolio. For corporate bond and municipal bond funds, Morningstar also shows the percentage of fixed-income securities that fall within each credit-quality rating, as assigned by Standard & Poor's or Moody's. Because it's rare to find individual bonds in a portfolio with a rating below B, the average credit quality of bond funds in Morningstar's database ranges from AAA (highest) to B (lowest). AAA bonds carry the highest credit rating, while bonds issued by speculative companies usually carry the lowest credit ratings. For taxable bonds, anything at or below BB is considered a high-yield or junk bond. For the purpose of Morningstar's calculations, U.S. government bonds are considered AAA and other nonrated bonds generally are considered B.

Average Duration is a measure of a fund's interest-rate sensitivity. The longer a fund's duration, the more sensitive the fund is to shifts in interest rates. Duration is determined by a formula that includes coupon rates and bond maturities. Small coupons tend to increase duration, while shorter maturities and higher coupons shorten duration.

Average Maturity is a weighted average of all the maturities of the bonds in a portfolio, computed by weighting each bond's effective maturity by the market value of the security. Average effective maturity takes into consideration all mortgage prepayments, puts, and adjustable coupons. Longer-maturity funds are generally considered more interest-rate sensitive than their shorter counterparts.

Batting Average is a measure of a manager's ability to consistently beat the market. It is calculated by dividing the number of months in which the manager beat or matched an index by the total number of months in the period. For example, a manager who meets or outperforms the market every month in a given period would have a batting average of 100. A manager who beats the market half of the time would have a batting average of 50.

Beta is a measure of systematic risk with respect to a benchmark. Systematic risk is the tendency of the value of the fund and the value of benchmark to move together. Beta measures the sensitivity of the fund's excess return (total return minus the risk-free return) with respect to the benchmark's excess return that results from their systematic co-movement. It is the ratio of what the excess return of the fund would be to the excess return of the benchmark if there were no fund-specific sources of return. If beta is greater than one, movements in value of the fund that are associated with movements in the value of the benchmark tend to be amplified. If beta is one, they tend to be the same, and if beta is less than one, they tend to be dampened. If such movements tend to be in opposite directions, beta is negative. Beta is measured as the slope of the regression of the excess return on the fund as the dependent variable and the excess return on the benchmark as the independent variable. The beta of the market is 1.00 by definition. Morningstar calculates beta by comparing a portfolio's excess return over T-bills to the benchmark's excess return over T-bills, so a beta of 1.10 shows that the portfolio has performed 10% better than its benchmark in up markets and 10% worse in down markets, assuming all other factors remain constant. Conversely, a beta of 0.85 indicates that the portfolio's excess return is expected to perform 15% worse than the benchmark's excess return during up markets and 15% better during down markets.

Downside Capture Ratio measures a manager's performance in down markets relative to the market (benchmark) itself. For example, if the ratio is 90%, the manager has captured 90% of the down-market and outperformed the market on the downside.

Geometric Average Market Cap provides a measure of the size of the companies in which the fund invests. It is the weighted mean of the market capitalizations of the stocks in the fund's portfolio and is calculated by raising the market capitalization of each stock to a power equal to that stock's stake in the portfolio. The resulting numbers are multiplied together to produce the geometric mean of the market caps of the stocks in the portfolio, which is reported as average market capitalization.

Information Ratio is a risk-adjusted performance measure. The information ratio is a special version of the Sharpe Ratio in that the benchmark is typically the fund's performance benchmark instead of the risk free rate. A higher information ratio indicates higher active returns per unit of active risk while a lower information ratio may indicate low levels of active returns, high levels of active risk or both.

Morningstar Analyst Rating is based on the Morningstar analyst's conviction in the fund's ability to outperform its peer group and/or relevant benchmark on a risk-adjusted basis over the long term. The 5 ratings include Gold, Silver, Bronze, Neutral, and Negative. If a fund receives a positive rating of Gold, Silver, or Bronze, it means Morningstar analysts think highly of the fund and expect it to outperform over a full market cycle of at least five years.

Morningstar Star Rating funds are ranked within their Morningstar categories according to their risk-adjusted return (after accounting for all sales charges and expenses), and stars are assigned such that the distribution reflects a classic bell-shaped curve with the largest section in the center. The 10% of funds in each category with the highest risk-adjusted return receive five stars, the next 22.5% receive four stars, the middle 35% receive three stars, the next 22.5% receive two stars, and the bottom 10% receive one star.

P/B Ratio is the weighted average of the price/book ratios of all the stocks in a portfolio. The P/B ratio of a company is calculated by dividing the market price of its stock by the company's per-share book value. Stocks with negative book values are excluded from this calculation. In theory, a high P/B ratio indicates that the price of the stock exceeds the actual worth of the company's assets, while a low P/B ratio indicates that the stock is a bargain. In practice, book value is an accounting number and for a variety of reasons may not reflect the actual value assigned to a company or security by market participants.

P/E Ratio is the weighted average of the price/earnings ratios of all the stocks in a portfolio. A fund's price/earnings ratio can act as a gauge of the fund's investment strategy in the current market climate, and whether it has a value or growth orientation. Companies in those industries enjoying a surge of popularity tend to have high P/E ratios, reflecting a growth orientation. More staid industries tend to have low P/E ratios, reflecting a value orientation. Morningstar generates this figure in-house on a monthly basis, based on the most-recent portfolio holdings submitted by the fund and stock statistics gleaned from our internal U.S. equities databases. Negative P/Es are not used, and any P/E greater than 60 is capped at 60 in the calculation of the average.

Peer Group Ranking is the fund's total-return percentile rank relative to all funds that have the same Morningstar Category. Morningstar categorizes funds based on their portfolio holdings (portfolio statistics and compositions over the past 3 years). The highest (or most favorable) percentile rank is 1 and the lowest (or least favorable) percentile rank is 100. The top-performing fund in a category will always receive a rank of 1.

Sharpe Ratio is a risk-adjusted measure developed by Nobel Laureate William Sharpe. It is calculated by using standard deviation and excess return to determine reward per unit of risk. The higher the Sharpe Ratio, the better the fund's historical risk-adjusted performance. The Sharpe ratio is calculated for the past 36-month period by dividing a fund's annualized excess returns by the standard deviation of a fund's annualized excess returns. Since this ratio uses standard deviation as its risk measure, it is most appropriately applied when analyzing a fund that is an investor's sole holding. The Sharpe Ratio can be used to compare two funds directly on how much risk a fund had to bear to earn excess return over the risk-free rate.

Standard Deviation is a statistical measurement of dispersion about an average, which, for a mutual fund, depicts how widely the returns varied over a certain period of time. Investors use the standard deviation of historical performance to try to predict the range of returns that are most likely for a given fund. When a fund has a high standard deviation, the predicted range of performance is wide, implying greater volatility.

Total Return is determined by taking the change in net asset value, reinvesting all income and capital-gains distributions, and dividing by the starting net asset value (NAV). Reinvestments are made using the actual reinvestment NAV, and daily payoffs are reinvested monthly. Total return is expressed as a percentage.

Tracking Error is a measure of the volatility of excess returns relative to a benchmark.

Turnover Ratio is a measure of the fund's trading activity which is computed by taking the lesser of purchases or sales (excluding all securities with maturities of less than one year) and dividing by average monthly net assets. A turnover ratio of 100% or more does not necessarily suggest that all securities in the portfolio have been traded. In practical terms, the resulting percentage loosely represents the percentage of the portfolio's holdings that have changed over the past year. A low turnover figure (20% to 30%) would indicate a buy-and-hold strategy while a high turnover (more than 100%) would indicate an investment strategy involving considerable buying and selling of securities.

Upside Capture Ratio measures a manager's performance in up markets relative to the market (benchmark) itself. For example, if the ratio is 110%, the manager has captured 110% of the up-market and outperformed the market on the upside.

Sector Definitions

- **Energy Sector:** The Energy Sector comprises companies whose businesses are dominated by either of the following activities: The construction or provision of oil rigs, drilling equipment and other energy related service and equipment, including seismic data collection. Companies engaged in the exploration, production, marketing, refining, and/or transportation of oil and gas products, coal and other consumer fuels.
- **Materials Sector:** The Materials Sector encompasses a wide range of commodity-related manufacturing industries. Included in this sector are companies that manufacture chemicals, construction materials, glass, paper, forest products and related packaging products, and metals, minerals and mining companies, including producers of steel.
- **Industrials Sector:** The Industrials Sector includes companies whose businesses are dominated by one of the following activities: The manufacture and distribution of capital goods, including aerospace and defense, construction, engineering and building products, electrical equipment and industrial machinery. The provision of commercial services and supplies, including printing, employment, environmental and office services. The provision of transportation services, including airlines, couriers, marine, road and rail and transportation infrastructure.
- **Consumer Discretionary Sector:** The Consumer Discretionary Sector encompasses those industries that tend to be the most sensitive to economic cycles. Its manufacturing segment includes automotive, household durable goods, textiles and apparel and leisure equipment. The services segment includes hotels, restaurants and other leisure facilities, media production and services, and consumer retailing and services.
- **Consumer Staples Sector:** The Consumer Staples Sector comprises companies whose businesses are less sensitive to economic cycles. It includes manufacturers and distributors of food, beverages and tobacco and producers of non-durable household goods and personal products. It also includes food and drug retailing companies as well as hypermarkets and consumer super centers.
- **Health Care Sector:** The Health Care Sector encompasses two main industry groups. The first includes companies who manufacture health care equipment and supplies or provide health care related services, including distributors of health care products, providers of basic health-care services, and owners and operators of health care facilities and organizations. The second regroups companies primarily involved in the research, development, production and marketing of pharmaceuticals and biotechnology products.
- **Financials Sector:** The Financials Sector contains companies involved in banking, thrifts & mortgage finance, specialized finance, consumer finance, asset management and custody banks, investment banking and brokerage and insurance. It also includes Financial Exchanges & Data and Mortgage REITs.
- **Real Estate Sector:** The Real Estate Sector contains companies engaged in real estate development and operation. It also includes companies offering real estate related services and Equity Real Estate Investment Trusts (REITs).
- **Information Technology Sector:** The Information Technology Sector covers the following areas: firstly, Technology Software and Services, including companies that primarily develop software in various fields such as the Internet, applications, systems, database management and/or home entertainment, and companies that provide information technology consulting and services, as well as data processing and outsourced services; secondly, Technology Hardware and Equipment, including manufacturers and distributors of communications equipment, computers and peripherals, electronic equipment and related instruments; and thirdly, Semiconductors and Semiconductor Equipment Manufacturers.

- **Telecommunications Services Sector:** The Telecommunications Services Sector contains companies that provide communications services primarily through a fixed-line, cellular, wireless, high bandwidth and/or fiber optic cable network.
- **Utilities Sector:** The Utilities Sector encompasses those companies considered electric, gas or water utilities, or companies that operate as independent producers and/or distributors of power.

Regional Definitions

- **North America:** United States and Canada
- **Emerging Central & Latin America:** Mexico and Central and South America
- **United Kingdom:** England, Northern Ireland, Scotland, Wales
- **Developed Europe:** Austria, Belgium, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain
- **Emerging Europe:** Russia and other Eastern European countries
- **Africa/Middle East:** Africa and Western Asian countries
- **Japan:** Japan
- **Australasia:** Australia and New Zealand
- **Developed Asia:** Hong Kong, Singapore, South Korea
- **Emerging Asia:** China, India, Indonesia, Malaysia, Philippines, Thailand

Client has the authority to select investments and investment managers. Past performance is not indicative of future results. We do not guarantee the performance of any investment, fund, or manager.

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